

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	38543	(correct\$4 with distance)	US-PGPUB; USPAT	OR	ON	2007/04/12 08:38
S2	5	(first same secind same third)	US-PGPUB; USPAT	OR	ON	2007/02/02 15:18
S3	1118366	(first same second same third)	US-PGPUB; USPAT	OR	ON	2007/02/02 15:26
S4	355393	((wireless or mobile or cell or cellular or mobile or portable) adj2 (phone or device or station or terminal or unit or apparatus or telephone))	US-PGPUB; USPAT	OR	ON	2007/04/13 10:51
S5	1104	S1 same S3 same S3	US-PGPUB; USPAT	OR	ON	2007/02/02 15:19
S6	0	S1 same S2 same S3	US-PGPUB; USPAT	OR	ON	2007/02/02 15:20
S7	8	S1 same S3 same S4	US-PGPUB; USPAT	OR	ON	2007/02/02 15:25
S8	84302	("455").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/02/07 14:47
S9	393	S1 same S4	US-PGPUB; USPAT	OR	ON	2007/02/02 15:51
S10	69954	(first or second or third) with S4	US-PGPUB; USPAT	OR	ON	2007/02/02 15:50
S11	24394	S8 and S10	US-PGPUB; USPAT	OR	ON	2007/02/02 15:50
S12	35	S1 same S10	US-PGPUB; USPAT	OR	ON	2007/02/02 15:51
S13	38572	(correct\$4 with distance)	US-PGPUB; USPAT	OR	ON	2007/02/07 14:47
S14	38572	S13	US-PGPUB; USPAT	OR	ON	2007/02/07 14:47
S15	1119252	(first same second same third)	US-PGPUB; USPAT	OR	ON	2007/02/07 14:47
S16	1119252	S15	US-PGPUB; USPAT	OR	ON	2007/02/07 14:47
S17	355802	((wireless or mobile or cell or cellular or mobile or portable) adj2 (phone or device or station or terminal or unit or apparatus or telephone))	US-PGPUB; USPAT	OR	ON	2007/04/10 15:45
S18	355802	S17	US-PGPUB; USPAT	OR	ON	2007/02/07 14:47

## EAST Search History

S19	84389	("455").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/02/07 14:47
S20	84389	S19	US-PGPUB; USPAT	OR	ON	2007/02/07 14:48
S21	8	S13 same S15 same S17	US-PGPUB; USPAT	OR	ON	2007/02/07 14:48
S23	70025	(first or second or third) with S17	US-PGPUB; USPAT	OR	ON	2007/02/07 14:50
S24	35	S13 same S23	US-PGPUB; USPAT	OR	ON	2007/02/07 14:50
S25	35	S24	US-PGPUB; USPAT	OR	ON	2007/02/07 14:50
S26	39290	(correct\$4 with distance)	US-PGPUB; USPAT	OR	ON	2007/04/10 15:36
S27	1142481	(first same second same third)	US-PGPUB; USPAT	OR	ON	2007/04/10 15:36
S28	369142	((wireless or mobile or cell or cellular or mobile or portable) adj2 (phone or device or station or terminal or unit or apparatus or telephone))	US-PGPUB; USPAT	OR	ON	2007/04/10 15:36
S29	8	S26 same S27 same S28	US-PGPUB; USPAT	OR	ON	2007/04/10 15:36
S30	8	S29	US-PGPUB; USPAT	OR	ON	2007/04/10 15:41
S31	13	((distance near3 determin\$8) with sample) same (distance near3 correct\$4)	US-PGPUB; USPAT	OR	ON	2007/04/10 15:49
S32	1	("20050020266").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/10 15:50
S33	369142	S28	US-PGPUB; USPAT	OR	ON	2007/04/10 15:46
S34	0	S31 same S33	US-PGPUB; USPAT	OR	ON	2007/04/10 15:46
S35	1	S31 and S33	US-PGPUB; USPAT	OR	ON	2007/04/10 15:47
S36	92	((distance near3 determin\$8) with sample) and (distance near3 correct\$4)	US-PGPUB; USPAT	OR	ON	2007/04/10 15:50
S37	25	S36 and S33	US-PGPUB; USPAT	OR	ON	2007/04/10 15:47
S38	86531	("455").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/04/10 15:49
S39	2223	((distance near3 determin\$8) ) and S38	US-PGPUB; USPAT	OR	ON	2007/04/10 15:54

## EAST Search History

S40	196	S38 and (distance near3 correct\$4)	US-PGPUB; USPAT	OR	ON	2007/04/10 15:50
S41	1	S32 and (data near2 process\$4)	US-PGPUB; USPAT	OR	ON	2007/04/10 15:50
S42	214	((distance near3 determin\$8) ) same sample same average	US-PGPUB; USPAT	OR	ON	2007/04/10 15:56
S43	2	S42 and S38	US-PGPUB; USPAT	OR	ON	2007/04/10 15:54
S44	93	((distance near3 determin\$8) ) same (sample with average)	US-PGPUB; USPAT	OR	ON	2007/04/10 15:57
S45	8	S28 and S44	US-PGPUB; USPAT	OR	ON	2007/04/10 15:57
S46	109	((distance near3 determin\$8) ) same ((multiple or several or third or second) near2 ((wireless or mobile or cell or cellular or mobile or portable) adj2 (phone or device or station or terminal or unit or apparatus or telephone)))	US-PGPUB; USPAT	OR	ON	2007/04/10 15:58
S47	68	(distance near3 (determin\$8 or detect\$6)) with ((group or multiple or several or other or second or third) near3 ((mobile or cell or cellular or wireless or portable or radio) adj2 (terminal or phone or telephone or apparatus or station or unit)))	US-PGPUB; USPAT	OR	ON	2007/04/12 08:34
S48	107	(distance near3 (determin\$8 or detect\$6)) with ((group or multiple or several or other or second or third) near3 ((mobile or cell or cellular or wireless or portable or radio) adj2 (terminal or phone or telephone or apparatus or station or unit or device)))	US-PGPUB; USPAT	OR	ON	2007/04/12 11:42
S49	86656	("455").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/04/12 08:36
S50	57	S48 and S49	US-PGPUB; USPAT	OR	ON	2007/04/12 08:37
S51	39325	(correct\$4 with distance)	US-PGPUB; USPAT	OR	ON	2007/04/12 08:37
S52	15	S48 and S51	US-PGPUB; USPAT	OR	ON	2007/04/12 08:44
S53	11267	(correct\$4 near2 distance)	US-PGPUB; USPAT	OR	ON	2007/04/12 08:38
S54	3	S48 and S53	US-PGPUB; USPAT	OR	ON	2007/04/12 08:45

## EAST Search History

S55	44272	(first near2 distance) and (Second near2 distance)	US-PGPUB; USPAT	OR	ON	2007/04/12 08:45
S56	39	S48 and S55	US-PGPUB; USPAT	OR	ON	2007/04/12 08:45
S57	101	(distance near3 (determin\$8 or detect\$6)) with ((group or multiple or several or other or second or third) near3 ((mobile or cell or cellular or wireless or portable ) adj2 (terminal or phone or telephone or apparatus or station or unit or device)))	US-PGPUB; USPAT	OR	ON	2007/04/12 13:56
S58	3	S57 and S53	US-PGPUB; USPAT	OR	ON	2007/04/12 08:49
S59	50	(distance near3 (determin\$8 or detect\$6)) near4 ((group or multiple or several or other or second or third) near3 ((mobile or cell or cellular or wireless or portable ) adj2 (terminal or phone or telephone or apparatus or station or unit or device)))	US-PGPUB; USPAT	OR	ON	2007/04/12 08:50
S60	27	("20020122405"   "20020196188"   "20030043073"   "20030052821"   "20030229445"   "20030232598"   "20030235175"   "20030236866"   "20040192331"   "20040203904"   "20040263388"   "20050130677"   "20050143101"   "20050143119"   "20050162271"   "20050185615"   "20050227707"   "20050233748"   "5719584"   "5732354"   "6138021"   "6246861"   "6362783"   "6414634"   "6583761"   "6597915"   "6745038").PN. OR ("7099676"). URP.N.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 09:16
S61	1020	((correct\$4 or exact) near2 distance) with error	US-PGPUB; USPAT	OR	ON	2007/04/12 09:18
S62	149	(distance near3 (determin\$8 or detect\$6 or measur\$8)) with ((group or multiple or several or other or second or third) near3 ((mobile or cell or cellular or wireless or portable ) adj2 (terminal or phone or telephone or apparatus or station or unit or device)))	US-PGPUB; USPAT	OR	ON	2007/04/12 09:21
S63	2	S61 and S62	US-PGPUB; USPAT	OR	ON	2007/04/12 09:17

## EAST Search History

S64	102	((correct\$4 or exact) near2 distance) and (bias\$4 near2 distance)	US-PGPUB; USPAT	OR	ON	2007/04/12 09:19
S65	1	("20040165556").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/12 09:19
S66	0	S62 and S65	US-PGPUB; USPAT	OR	ON	2007/04/12 09:19
S67	0	S62 and S64	US-PGPUB; USPAT	OR	ON	2007/04/12 09:19
S68	1	S65 and S64	US-PGPUB; USPAT	OR	ON	2007/04/12 09:19
S69	166	(distance near3 (determin\$8 or detect\$6 or measur\$8)) with ((group or multiple or several or other or second or third) near3 ((mobile or cell or cellular or wireless or portable or radio or access ) adj2 (terminal or phone or telephone or apparatus or station or unit or device or node)))	US-PGPUB; USPAT	OR	ON	2007/04/12 09:31
S70	0	disatnce with samples	US-PGPUB; USPAT	OR	ON	2007/04/12 09:25
S71	29466	distance with samples	US-PGPUB; USPAT	OR	ON	2007/04/12 09:25
S72	3	S69 and S71	US-PGPUB; USPAT	OR	ON	2007/04/12 09:25
S73	1115	(distance near3 (determin\$8 or detect\$6 or measur\$8)) near3 ((mobile or cell or cellular or wireless or portable or radio or access ) adj2 (terminal or phone or telephone or apparatus or station or unit or device or node))	US-PGPUB; USPAT	OR	ON	2007/04/12 09:26
S74	15	S71 and S73	US-PGPUB; USPAT	OR	ON	2007/04/12 09:37
S75	1	S71 same S73	US-PGPUB; USPAT	OR	ON	2007/04/12 09:31
S76	6187	(distance same (data adj2 rate))	US-PGPUB; USPAT	OR	ON	2007/04/12 09:38
S77	0	S74 and S76	US-PGPUB; USPAT	OR	ON	2007/04/12 09:38
S78	20	S73 and S76	US-PGPUB; USPAT	OR	ON	2007/04/12 09:38
S79	2	S73 same S76	US-PGPUB; USPAT	OR	ON	2007/04/12 10:45
S80	1843	(342/126,357.08,357.09,458,357.1). CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/12 10:45

## EAST Search History

S81	4316	(455/456.1-456.6).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/12 10:45
S82	848	(triang\$8 near4 distance) same (distance near2 (determin\$8 or detect\$6 or mesaure\$6))	US-PGPUB; USPAT	OR	ON	2007/04/12 11:41
S83	28	S82 and (S80 or S81)	US-PGPUB; USPAT	OR	ON	2007/04/12 11:42
S84	854	(distance with between with (mobile adj2 station)) same (distance with between with (base adj2 station))	US-PGPUB; USPAT	OR	ON	2007/04/12 11:35
S85	168	S84 and (S80 or S81)	US-PGPUB; USPAT	OR	ON	2007/04/12 11:36
S86	852	(distance with between with (mobile adj2 station)) same (distance with between with (base adj2 station)) same (distance with between with (mobile adj2 station) with (base adj2 station))	US-PGPUB; USPAT	OR	ON	2007/04/12 11:36
S87	168	S86 and (S80 or S81)	US-PGPUB; USPAT	OR	ON	2007/04/12 11:37
S88	663	(distance with between with (mobile adj2 station)) same (distance with between with (base adj2 station)) same (distance near4 between near4 (mobile adj2 station) near4 (base adj2 station))	US-PGPUB; USPAT	OR	ON	2007/04/12 11:37
S89	663	(distance near4 between near4 (mobile adj2 station)) same (distance with between with (base adj2 station)) same (distance near4 between near4 (mobile adj2 station) near4 (base adj2 station))	US-PGPUB; USPAT	OR	ON	2007/04/12 11:37
S90	146	S89 and (S80 or S81)	US-PGPUB; USPAT	OR	ON	2007/04/12 11:37
S91	7	(distance near4 between near4 (mobile adj2 station)) same (distance with between with (base adj2 station)) same (distance near4 between near4 (mobile adj2 station) near4 (base adj2 station)) same sample	US-PGPUB; USPAT	OR	ON	2007/04/12 11:37
S92	0	(disatnce with load with (data adj2 rate))	US-PGPUB; USPAT	OR	ON	2007/04/12 11:41
S93	89	(distance with load with (data adj2 rate))	US-PGPUB; USPAT	OR	ON	2007/04/12 11:41
S94	0	S93 and (S80 or S81)	US-PGPUB; USPAT	OR	ON	2007/04/12 11:42

## EAST Search History

S95	50	S93 and S49	US-PGPUB; USPAT	OR	ON	2007/04/12 11:43
S96	61	(distance near3 (determin\$8 or detect\$6 or measure\$8)) and S93	US-PGPUB; USPAT	OR	ON	2007/04/12 11:45
S97	61	(distance near3 (determin\$8 or detect\$6 or measure\$8)) same S93	US-PGPUB; USPAT	OR	ON	2007/04/12 11:42
S98	49	S97 and S49	US-PGPUB; USPAT	OR	ON	2007/04/12 11:44
S99	40	S93 not S98	US-PGPUB; USPAT	OR	ON	2007/04/12 11:44
S100	4361	(distance near3 (determin\$8 or detect\$6 or measure\$8)) with sample	US-PGPUB; USPAT	OR	ON	2007/04/12 13:58
S101	2798	(distance with (data adj2 rate))	US-PGPUB; USPAT	OR	ON	2007/04/12 14:09
S102	62	(data adj2 rate) with (load adj2 factor)	US-PGPUB; USPAT	OR	ON	2007/04/12 13:54
S103	59	S101 and S102	US-PGPUB; USPAT	OR	ON	2007/04/12 13:55
S104	75	S100 and S101	US-PGPUB; USPAT	OR	ON	2007/04/12 13:55
S105	16	S104 not S103	US-PGPUB; USPAT	OR	ON	2007/04/12 13:55
S106	8	((mobile or cell or cellular or wireless or portable or radio) adj2 (terminal or phone or telephone or apparatus or station or unit or device)) same S100	US-PGPUB; USPAT	OR	ON	2007/04/12 13:59
S107	154	(distance near3 (determin\$8 or detect\$6 or measure\$8)) with sample with averag\$4	US-PGPUB; USPAT	OR	ON	2007/04/13 10:50
S108	34	((mobile or cell or cellular or wireless or portable or radio) adj2 (terminal or phone or telephone or apparatus or station or unit or device)) and S107	US-PGPUB; USPAT	OR	ON	2007/04/12 14:02
S109	11	((((mobile or cell or cellular or wireless or portable or radio) adj2 (terminal or phone or telephone or apparatus or station or unit or device)) same (position\$4 or distance)) and S107	US-PGPUB; USPAT	OR	ON	2007/04/12 14:05
S110	203	(distance near3 (determin\$8 or detect\$6 or measure\$8 or calculat\$4)) with sample with averag\$4	US-PGPUB; USPAT	OR	ON	2007/04/12 14:15

## EAST Search History

S11 1	15	((mobile or cell or cellular or wireless or portable or radio) adj2 (terminal or phone or telephone or apparatus or station or unit or device)) same (position\$4 or distance)) and S110	US-PGPUB; USPAT	OR	ON	2007/04/12 14:16
S11 2	4	S111 not S109	US-PGPUB; USPAT	OR	ON	2007/04/12 14:06
S11 3	1082	(distance near3 (data adj2 rate))	US-PGPUB; USPAT	OR	ON	2007/04/12 14:11
S11 4	230	(distance near3 (determin\$8 or detect\$6 or measure\$8 or calculat\$4)) and S113	US-PGPUB; USPAT	OR	ON	2007/04/12 14:10
S11 5	64	(distance near3 (determin\$8 or detect\$6 or measure\$8 or calculat\$4)) same S113	US-PGPUB; USPAT	OR	ON	2007/04/12 14:10
S11 6	15	(distance near3 (ascertain or comput\$4 or calculat\$4) near3 (data adj2 rate))	US-PGPUB; USPAT	OR	ON	2007/04/13 10:31
S11 7	691	(error with sample with distance)	US-PGPUB; USPAT	OR	ON	2007/04/12 14:15
S11 8	50	(distance near3 (determin\$8 or detect\$6 or measure\$8 or calculat\$4)) near3 sample near3 averag\$4	US-PGPUB; USPAT	OR	ON	2007/04/12 14:29
S11 9	2	(S80 or S81) and S118	US-PGPUB; USPAT	OR	ON	2007/04/12 14:16
S12 0	48	S118 not S119	US-PGPUB; USPAT	OR	ON	2007/04/12 14:16
S12 1	5	((mobile or cell or cellular or wireless or portable or radio) adj2 (terminal or phone or telephone or apparatus or station or unit or device)) and S120)	US-PGPUB; USPAT	OR	ON	2007/04/12 14:17
S12 2	43	S120 not S121	US-PGPUB; USPAT	OR	ON	2007/04/12 14:18
S12 3	9	S117 and S118	US-PGPUB; USPAT	OR	ON	2007/04/12 14:18
S12 4	149	(distance near3 (determin\$8 or detect\$6 or measure\$8 or calculat\$4)) near3 ((wireless or cellular or communication) adj2 (system or network))	US-PGPUB; USPAT	OR	ON	2007/04/12 14:21
S12 5	3	S124 and S117	US-PGPUB; USPAT	OR	ON	2007/04/12 14:21
S12 6	4	S124 and S100	US-PGPUB; USPAT	OR	ON	2007/04/12 14:22



## EAST Search History

S12 7	3	S124 and S113	US-PGPUB; USPAT	OR	ON	2007/04/12 14:22
S12 8	23	S124 and S51	US-PGPUB; USPAT	OR	ON	2007/04/12 14:22
S12 9	208	(distance near3 (determin\$8 or detect\$6 or measure\$8 or calculat\$4)) with ((transmission or data) adj2 rate)	US-PGPUB; USPAT	OR	ON	2007/04/12 14:34
S13 0	3	S124 and S129	US-PGPUB; USPAT	OR	ON	2007/04/12 14:32
S13 1	6600	(distance near3 (determin\$8 or detect\$6 or measure\$8 or calculat\$4)) with (error)	US-PGPUB; USPAT	OR	ON	2007/04/12 14:34
S13 2	81	S129 and S131	US-PGPUB; USPAT	OR	ON	2007/04/12 14:34
S13 3	14	S129 same S131	US-PGPUB; USPAT	OR	ON	2007/04/12 14:34
S13 4	20	(distance near3 (ascertain or comput\$4 or calculat\$4) near3 ((transmission or data) adj2 rate))	US-PGPUB; USPAT	OR	ON	2007/04/13 10:34
S13 5	198	(distance near3 (determin\$8 or detect\$6 or measure\$8 or calculat\$8)) with sample with error	US-PGPUB; USPAT	OR	ON	2007/04/13 10:50
S13 6	2152	((wireless or mobile or cell or cellular or mobile or portable or radio) adj2 (phone or device or station or terminal or unit or apparatus or telephone)) with (distance near3 (determin\$8 or detect\$6 or measure\$8 or calculat\$8))	US-PGPUB; USPAT	OR	ON	2007/04/13 10:55
S13 7	10	S135 and S136	US-PGPUB; USPAT	OR	ON	2007/04/13 10:55
S13 8	11	((wireless or mobile or cell or cellular or mobile or portable or radio) adj2 (phone or device or station or terminal or unit or apparatus or telephone)) with (distance or position\$4)) and S135	US-PGPUB; USPAT	OR	ON	2007/04/13 10:56
S13 9	10312	(register\$4 or handover or handoff) with (distance)	US-PGPUB; USPAT	OR	ON	2007/04/13 10:57
S14 0	1577	(register\$4 or handover or handoff) with (distance near3 (determin\$8 or detect\$6 or measure\$8 or calculat\$8))	US-PGPUB; USPAT	OR	ON	2007/04/13 10:59
S14 1	1843	(342/126,357.08,357.09,458,357.1). CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/13 10:58

## EAST Search History

S14 2	4316	(455/456.1-456.6).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/13 10:59
S14 3	5925	S141 or S142	US-PGPUB; USPAT	OR	ON	2007/04/13 10:59
S14 4	158	S139 and S143	US-PGPUB; USPAT	OR	ON	2007/04/13 11:00
S14 5	66	S136 same S140	US-PGPUB; USPAT	OR	ON	2007/04/13 10:59
S14 6	25	S145 and S143	US-PGPUB; USPAT	OR	ON	2007/04/13 11:00



*Interference*  
**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	((calculat\$4 or determin\$4) and (distance) and error and ((data or transmission) adj2 rate) and (load) and (associat\$8 or register\$4 or handoff or handover) and (multiple or several or few or third or first or second) and ((mobile or wireless or portable or radio or cell or cellular or radio or base or access) adj2 (device or station or terminal or apparatus or unit or phone or telephone))).CLM.	US-PGPUB	OR	ON	2007/04/13 14:26